CHECK POINT
4800 APPLIANCE

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Enterprise-grade security appliances

Product Benefits

- Delivers everything you need to secure your network in one appliance
- Simplify administration with a single integrated management console
- Ensures data security by securing remote access and site-to-site communications
- Extensible with Software Blade Architecture

Product Features

- 673 SecurityPower™
- 5.8 Gbps production firewall throughput
- 1.1 Gbps production IPS throughput
- Up to 16 10/100/1000Base-T ports
- Up to 4 1GbE or 2 10GbE Fiber ports
- Lights-Out-Management (LOM)

INSIGHTS

Today the enterprise gateway is more than a firewall. It is a security device presented with an ever-increasing number of sophisticated threats. As an enterprise security gateway it must use multiple technologies to control network access, detect sophisticated attacks and provide additional security capabilities like data loss prevention and protection from web-based threats. The proliferation of mobile devices like smartphones and Tablets and new streaming, social networking and P2P applications requires a higher connection capacity and new application control technologies. Finally, the shift towards enterprise private and public cloud services, in all its variations, changes the company borders and requires enhanced capacity and additional security solutions.
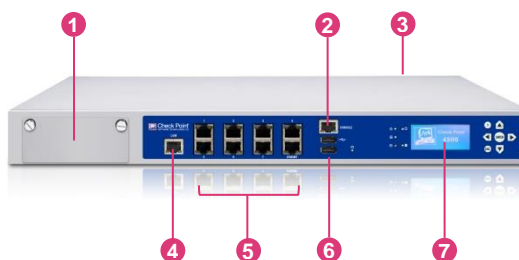
SOLUTION

The Check Point 4800 Appliance delivers everything you need to secure your enterprise network in one appliance. The 4800 combines fast networking technologies with high performance multi-core capabilities - providing the highest level of security without compromising on network speeds to keep your data, network and employees secure.

The Check Point 4800 Appliance offers a complete and consolidated security solution, with leading performance in a 1U form factor. In addition to eight onboard 1 Gigabit copper Ethernet ports, the 4800 also comes with an available expansion slot which provides the option to add four or eight 1 Gigabit copper Ethernet ports, two or four 1 Gigabit fiber Ethernet ports or two 10 Gigabit fiber Ethernet ports.

With 673 SecurityPower Units, the 4800 Appliance offers superior performance for its price range with real-world firewall throughput of 5.8 Gbps and real-world IPS throughput of 1.1 Gbps.

4800

1 Network card expansion slot
2 Console port
3 AC power supplies (not shown)
4 Lights-Out Management port
5 8x10/100/1000Base-T ports
6 USB ports for ISO installation
7 Graphical LCD display

ALL-INCLUSIVE SECURITY SOLUTIONS

The Check Point 4800 Appliances offer a complete and consolidated security solution available in five Next Generation Security Software Blade packages.

Next Generation Firewall (NGFW): identify and control applications by user and scan content to stop threats.
Next Generation Secure Web Gateway (SWG): enables secure use of Web 2.0 with real time protection.
Next Generation Data Protection (NGDP): preemptively protect sensitive information from unintentional loss and educate users on proper data handling policy in real-time.
Next Generation Threat Prevention (NGTP): prevent sophisticated cyber-threats with IPS, Application Control, Antivirus, Anti-Bot, URL Filtering and Email Security.
Next Generation Threat Extraction (NGTX): advanced next-gen zero-day threat prevention, NGTP with Threat Emulation and Threat Extraction.

PREVENT UNKNOWN THREATS

Check Point provides complete zero-day threat prevention and alerts when under attack. Threat Extraction delivers zero-malware documents in zero seconds. Threat Emulation inspects files for malicious content in a virtual sandbox. When Threat Emulation discovers new threats, a signature is sent to the Check Point ThreatCloud database which documents and shares information on the newly identified malware with other Check Point customers — providing immediate protection against zero-day threats.

INCLUSIVE HIGH PERFORMANCE PACKAGE

Customers with high connection capacity requirements can purchase the affordable High Performance Package (HPP) with the Next Generation security package of their choice. This includes the appliance plus a 2x10Gb SFP+ interface card, transceivers, the second optional power supply and 8 GB of memory for high connection capacity.

INTEGRATED SECURITY MANAGEMENT

The appliance can either be managed locally with its available integrated security management or via central unified management. Using local management, the appliance can manage itself and one adjacent appliance for high availability purposes.

REMOTE ACCESS CONNECTIVITY

Each appliance arrives with mobile access connectivity for 5 users, using the Mobile Access Blade. This license enables secure remote access to corporate resources from a wide variety of devices including smartphones, tablets, PCs, Mac and Linux.

REMOTE MANAGEMENT AND MONITORING

A Lights-Out-Management (LOM) card provides out-of-band remote management to remotely diagnose, start, restart and manage the appliance from a remote location. Administrators can also use the LOM web interface to remotely install an OS image from an ISO file.

GAIA—A UNIFIED SECURE OS

Check Point GAiA™ is the next generation Secure Operating System for all Check Point appliances, open servers and virtualized gateways. GAiA secures IPv4 and IPv6 networks utilizing the Check Point Acceleration & Clustering technology and it protects the most complex network environments by supporting dynamic routing protocols like RIP, OSPF, BGP, PIM (sparse and dense mode) and IGMP. As a 64-Bit OS, GAiA increases the connection capacity of select appliances.

GAiA simplifies management with segregation of duties by enabling role-based administrative access. Furthermore, GAiA greatly increases operation efficiency by offering Automatic Software Updates. The intuitive and feature-rich Web interface allows for instant search of any commands or properties.

SPECIFICATIONS

PERFORMANCE

Production Performance[1]

- 673 SecurityPower
- 5.8 Gbps firewall throughput
- 1.1 Gbps firewall and IPS throughput

RFC 3511, 2544, 2647, 1242 PERFORMANCE (LAB)

- 11 Gbps firewall, 1518 byte UDP
- 2 Gbps VPN, AES-128
- 38,000 max IPsec VPN tunnels
- 1.5 Gbps IPS, Recommended IPS profile, IMIX traffic blend
- 1.7/3.3[2] million concurrent connections, 64 byte HTTP response
- 70,000 connections per second, 64 byte HTTP response

EXPANSION OPTIONS

Base Configuration

- 8 x 10/100/1000Base-T RJ45 ports
- 4 GB memory
- 250 GB hard disk drive
- One AC power supply
- Slide rails (22" to 32")
- LOM card

Network Expansion Slot Options (1 slot)

- 4 x 10/100/1000Base-T RJ45 ports
- 8 x 10/100/1000Base-T RJ45 ports
- 2 x 1000Base-F SFP ports
- 4 x 1000Base-F SFP ports
- 2 x 10GBaseF SFP+ ports
- 4 x 10/100/1000Base-T Fail-Open NIC
- 4 x 1000Base-F SX or LX Fail-Open NIC
- 2 x 10GBase-F SR or LR Fail-Open NIC

Max Configuration

- 16 x 10/100/1000Base-T RJ45 ports
- 8 x 10/100/1000Base-T RJ45 + 4 x 1000Base-F SFP ports
- 8 x 10/100/1000Base-T RJ45 + 2 x 10GBase-F SFP+ ports
- 8 GB memory
- Two redundant hot-swappable power supplies

Virtual Systems

- Max VSs: 20 (w/4GB), 25 (w/8GB)

NETWORK

Network Connectivity

- IPv4 and IPv6
- 1024 interfaces or VLANs per system
- 4096 interfaces per system (in Virtual System mode)
- 802.3ad passive and active link aggregation
- Layer 2 (transparent) and Layer 3 (routing) mode

High Availability

- Active/Active - L3 mode
- Active/Passive - L3 mode
- Session synchronization for firewall and VPN
- Session failover for routing change
- Device failure detection
- Link failure detection
- ClusterXL or VRRP

PHYSICAL

Power Requirements

- AC Input Voltage: 100 - 240V
- Frequency: 47-63 Hz
- Single Power Supply Rating: 275 W
- Power Consumption Maximum: 140 W
- Maximum thermal output: 425.6 BTU

Dimensions

- Enclosure: 1U
- Standard (W x D x H): 17.25 x 16.14 x 1.73 in.
- Metric (W x D x H): 438 x 410 x 44 mm
- Weight: 7.6 kg (16.76 lbs.)

Operating Environmental Conditions

- Temperature: 32° to 104°F / 0° to 40°C
- Humidity: 20%-90% (non-condensing)

Storage Conditions

- Temperature: –4° to 158°F / –20° to 70°C
- Humidity: 5% to 95% @60°C

Certifications

- Safety: CB, UL/cUL, CSA, TUV, NOM, CCC, IRAM, PCT/GoST
- Emissions: FCC, CE, VCCI, C-Tick, CCC, ANATEL, KCC
- Environmental: RoHS

[1] Check Point's SecurityPower is a new benchmark metric that allows customers to select security appliances by their capacity to handle real-world network traffic, multiple security functions and a typical security policy.
[2] With GAiA OS and 8 GB memory upgrade

APPLIANCE PACKAGES

BASE CONFIGURATION[1,2]	
4800 Next-Gen Firewall (with FW, VPN, ADNC, IA, MOB-5, IPS and APCL) bundled with local management for up to 2 gateways.	CPAP-SG4800-NGFW
4800 Secure Web Gateway (with FW, VPN, ADNC, IA, APCL, AV and URLF) bundled with local management and SmartEvent for up to 2 gateways.	CPAP-SWG4800
4800 Next-Gen Data Protection (with FW, VPN, ADNC, IA, MOB-5, IPS, APCL, and DLP) bundled with local management for up to 2 gateways.	CPAP-SG4800-NGDP
4800 Next-Gen Threat Prevention (with FW, VPN, ADNC, IA, MOB-5, IPS, APCL, URLF, AV, ABOT and ASPM) bundled with local management for up to 2 gateways.	CPAP-SG4800-NGTP
4800 Next-Gen Threat Extraction (with FW, VPN, ADNC, IA, MOB-5, IPS, APCL, URLF, AV, ABOT, ASPM, TE and TEX) bundled with local management for up to 2 gateways.	CPAP-SG4800-NGTX
4800 Next Generation Firewall Appliance with 10 Virtual Systems	CPAP-SG4800-NGFW-VS10
4800 Next Generation Firewall Appliance Bundle, one primary and one HA, with 10 VS	CPAP-SG4800-NGFW-VS10-2
HIGH PERFORMANCE PACKAGES[1,2]	
4800 Next-Gen Firewall High Performance Package with built-in 8x10/100/1000Base-T interfaces, 2x10Gb SFP+ interface card, 2xSR transceivers, 8 GB of memory for high connection capacity and additional power supply	CPAP-SG4800-NGFW-HPP
4800 Secure Web Gateway High Performance Package with built-in 8x10/100/1000Base-T interfaces, 2x10Gb SFP+ interface card, 2xSR transceivers, 8 GB of memory for high connection capacity and additional power supply	CPAP-SWG4800-HPP
4800 Next-Gen Data Protection High Performance Package with built-in 8x10/100/1000Base-T interfaces, 2x10Gb SFP+ interface card, 2xSR transceivers, 8 GB of memory for high connection capacity and additional power supply	CPAP-SG4800-NGDP-HPP
4800 Next-Gen Threat Prevention High Performance Package with built-in 8x10/100/1000Base-T interfaces, 2x10Gb SFP+ interface card, 2xSR transceivers, 8 GB of memory for high connection capacity and additional power supply	CPAP-SG4800-NGTP-HPP
4800 Next-Gen Threat Extraction High Performance Package with built-in 8x10/100/1000Base-T interfaces, 2x10Gb SFP+ interface card, 2xSR transceivers, 8 GB of memory for high connection capacity and additional power supply	CPAP-SG4800-NGTX-HPP
4800 Next-Gen Firewall with 10 Virtual Systems and the High Performance Package	CPAP-SG4800-NGFW-VS10-HPP
4800 Next-Gen Firewall Bundle, one primary and one HA, with 10 Virtual Systems and the High Performance Package	CPAP-SG4800-NGFW-VS10-HPP-2

[1] High Availability (HA) and SKUs for 2 and 3 years are available, see the online Product Catalog

[2] DC power SKUs are also available

SOFTWARE BLADE PACKAGES

SOFTWARE BLADE PACKAGES[1]	
4800 NGFW Software Blade package for 1 year (IPS and APCL)	CPSB-NGFW-4800-1Y
4800 Secure Web Gateway Software Blade package for 1 year (APCL, AV and URLF)	CPSB-SWG-4800-1Y
4800 NGDP Software Blade package for 1 year (IPS, APCL, and DLP)	CPSB-NGDP-4800-1Y
4800 NGTP Software Blade package for 1 year (IPS, APCL, URLF, AV, ABOT and ASPM)	CPSB-NGTP-4800-1Y
4800 NGTX Software Blade package for 1 year (IPS, APCL, URLF, AV, ABOT, ASPM, TE and TEX)	CPSB-NGTX-4800-1Y
SOFTWARE BLADES[1]	
Check Point Mobile Access Blade for 200 concurrent connections	CPSB-MOB-200
Data Loss Prevention Blade for 1 year (for 500 to 1,500 users and above, up to 50,000 mails per hour and max throughput of 1.5 Gbps)	CPSB-DLP-1500-1Y

Check Point IPS blade for 1 year	CPSB-IPS-M-1Y
Check Point Application Control blade for 1 year	CPSB-APCL-M-1Y
Check Point URL Filtering blade for 1 year	CPSB-URLF-M-1Y
Check Point Antivirus Blade for 1 year	CPSB-AV-M-1Y
Check Point Anti-Spam & Email Security Blade for 1 year	CPSB-ASPM-M-1Y
Check Point Anti-Bot blade for 1 year - for ultra-high-end appliances and pre-defined systems	CPSB-ABOT-M-1Y

[1] SKUs for 2 and 3 years are available, see the online Product Catalog

VIRTUAL SYSTEM PACKAGES	
25 Virtual Systems package	CPSB-VS-25
25 Virtual Systems package for HA/VSLS	CPSB-VS-25-VSLS
10 Virtual Systems package	CPSB-VS-10
10 Virtual Systems package for HA/VSLS	CPSB-VS-10-VSLS

ACCESSORIES

INTERFACE CARDS AND TRANSCEIVERS	
4 Port 10/100/1000 Base-T RJ45 interface card	CPAC-4-1C
8 Port 10/100/100 Base-T RJ45 interface card	CPAC-8-1C
2 Port 1000Base-F SFP interface card; requires SFP transceivers per port	CPAC-2-1F
4 Port 1000Base-F SFP interface card; requires 1000Base SFP transceivers per port	CPAC-4-1F
SFP transceiver module for 1G fiber ports - long range (1000Base-LX)	CPAC-TR-1LX
SFP transceiver module for 1G fiber ports - short range (1000Base-SX)	CPAC-TR-1SX
SFP transceiver to 1000 Base-T RJ45 (Copper)	CPAC-TR-1T
2 Port 10GBase-F SFP+ interface card; requires 10GBase SFP+ transceivers per port	CPAC-2-10F
SFP+ transceiver module for 10G fiber ports - long range (10GBase-LR)	CPAC-TR-10LR
SFP+ transceiver module for 10G fiber ports - short range (10GBase-SR)	CPAC-TR-10SR
BYPASS CARD	
2 Port 10GE short-range Fiber Bypass (Fail-Open) interface card (1000Base-SR)	CPAC-2-10FSR-BP
2 Port 10GE long-range Fiber Bypass (Fail-Open) interface card (1000Base-LR)	CPAC-2-10FLR-BP
4 Port 1GE short-range Fiber Bypass (Fail-Open) interface card (1000Base-SX)	CPAC-4-1FSR-BP
4 Port 1GE long-range Fiber Bypass(Fail-Open) interface card (1000Base-LX)	CPAC-4-1FLR-BP
Port 1GE copper Bypass (Fail-Open) interface card (10/100/1000 Base-T)	CPAC-4-1C-BP
SPARES AND MISCELLANEOUS	
4 GB RAM memory upgrade for 4800 appliance	CPAC-RAM4GB
Additional/Replacement AC power supply for 4800 Appliance	CPAC-PSU-4800
Slide rails for 4000 and 12000 Appliances (22"-32")	CPAC-RAIL
Extended slide rails for 4000 and 12000 Appliances (26"-36")	CPAC-RAIL-EXT